

Nº 3090



A.D. 1914

Date of Application, 5th Feb., 1914—Accepted, 28th May, 1914

COMPLETE SPECIFICATION.

Improvements in or relating to Packages of Paper or other Sheets which can be Extracted from the Package in Pre-determined Numbers.

I, SETH WHEELER, of Castleton, Rensselaer County, State of New York, U.S.A., Manufacturer, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

5 The object of my invention has been to provide a paper package by which paper may be delivered from a receptacle preventing access to the contents as a whole, and permitting the user to obtain one unit at a time, such, for instance, as for the purpose of delivering paper towels or toilet paper.

And the particular object of my invention has been to provide a package 10 which shall have, among others the following advantages:

That it may always present the units with a doubled or double edge for the user to take hold of; that such doubled or double edge may always project in the same direction; that the withdrawal of the lowermost unit shall, with certainty, bring within reach the doubled or double edge of the next lowermost 15 unit and prevent such unit from curling up within the receptacle; that instead of, as heretofore, delivering two or more separated sheets of paper, my package shall deliver such sheets secured together so that they cannot become separated and one of them dropped on the floor; and that it shall permit of the use of a receptacle having relatively slight depth horizontally.

20 And to such ends my invention consists in the paper package hereinafter specified.

While my invention is capable of use for various purposes, I shall describe it as applied to toilet paper and shall describe it by the best embodiment known to me, but such embodiment is to be taken as typical only of many possible 25 embodiments, and my invention is not to be confined to the form described.

In the accompanying drawings—

Fig. 1 is a vertical sectional view of a metal receptacle or cabinet containing one of my packages of paper, and having a door to prevent unauthorized access to the package;

30 Fig. 2 is a perspective view of a package embodying my invention, the sheets or units forming the package being slightly separated to make the construction more evident;

Fig. 3 is a plan view of a single sheet which may form one of the units of my invention, the sheet being unfolded;

35 Fig. 4 is a plan view of such unit folded;

Fig. 5 is an end view of Fig. 4; and

Fig. 6 is a perspective view corresponding to Fig. 2, of a package in which the doubled edge of each unit is underneath both of the terminal leaves of the next unit.

[Price \$d.]

BEST AVAILABLE COPY

*Packages of Paper, &c., which can be Extracted in Predetermined Numbers.*

In the drawings, the metal casing 1 has a door 2 which can be locked to prevent unauthorized access to the package. It is desired to have the lower unit or sheet of paper of the package always accessible by projecting through a slot 3 in the bottom of the receptacle, so that the user may obtain the units or sheets one at a time by pulling down the lowermost unit, such action also 5 bringing within reach a portion of the next lowermost unit, and so on.

My units, as shown in Figs. 3, 4 and 5, consist of a sheet 4 having preferably a central transverse fold 5 and parallel folds 6 and 7, and 8 and 9 on opposite sides of the fold 5, respectively, and the paper is so folded as to present a doubled edge 10 connecting leaves 11 and 12 (preferably to be taken hold of by the user, as later described) free leaves 13 and 14, respectively, and intermediate leaves 15 and 16, respectively connecting the leaves 11 and 13, and 12 and 14. 10

As shown in Fig. 2, the said units or sheets are interlocked together to form a stack or pile, the doubled edge 10 and leaves 11 and 12 of one sheet being preferably received between the terminals 13 and 14 of the next lower sheet, although such doubled edge 10 and leaves may be underneath both of such terminal leaves or the package in either of these conditions may be reversed, and Fig. 6 is a perspective view corresponding to Fig. 2, of a package in which the doubled edge of each unit is underneath both of the terminal leaves of the next unit. Thus each sheet or unit lies with its doubled edge 10 and leaves 11 and 12 lowermost and its terminals above. 15

In using my package in the preferred embodiment shown in the drawings, it is inserted into the case with the double edge 10 of the lowermost unit or sheet projecting through the slot and hanging where the user may reach it. When he wishes a unit or sheet he engages the leaves 11 and 12 of the doubled edge 10 and pulls downward. This not only releases the lowermost unit but carries with it the corresponding parts of the next unit above. The action of my package is very certain in drawing down the doubled edge 10 and leaves 11 and 12 of the succeeding unit, so that it shall project through the slot, because such parts are engaged both above and below by the free terminals or leaves 13 and 14 of the preceding unit, and thus the corresponding parts of the succeeding unit are prevented from curling up within the receptacle and failing to come out through the slot. It will be observed that the doubled edges of my units all project in the same direction so that they are much easier to grasp than if, as with some packages prior to mine, they projected alternately in opposite directions. The bottom edge of my unit being always double affords a sure hold for the fingers and one less liable to break, than if it were single. 20 30 35

While my unit may consist practically of two sheets of paper united at the doubled edge, it avoids the disadvantage of previous packages, which have delivered two sheets of paper at a time not fastened together, in that one of said sheets cannot get out of control and fall to the floor. My units are of such small lateral dimensions that, although comparatively large sheets can be delivered, the cabinet need project from the wall only a comparatively slight distance. 40 45

While I have shown my unit as consisting of only six panels, so to speak, it is to be understood that a greater number of panels may be formed within the scope of my invention.

Having now particularly described and ascertained the nature of my said invention, and in what manner the same is to be performed, I declare that 50 what I claim is:—

1. A package for toilet or towel purposes composed of sheets or units doubled on a median line, said doubled sheet being also folded on a line parallel to the median line, that portion of the sheet adjacent the median line being interleaved with the next unit. 55

*Packages of Paper, &c., which can be Extracted in Predetermined Numbers.*

2. A package for toilet or towel purposes consisting of sheets or units doubled on a median line, said doubled sheet being also folded on two separated lines parallel to the median line, said last mentioned folds being in opposite directions, a free leaf of each unit being between that portion of the sheet adjacent to the median line and the leaves attached thereto.  
5

Dated this 5th day of February, 1914.

BOULT, WADE & TENNANT,  
111 & 112, Hatton Garden, London, E.C.,  
Chartered Patent Agents.

Redhill: Printed for His Majesty's Stationery Office, by Love & Malcolmson, Ltd.—1914.

[This Drawing is a reproduction of the Original on a reduced scale]

A.D. 1914. FEB. 5. N.Y. 3000.  
WHEELER'S COMPLETE SPECIFICATION.

SHEET 2

(3 SHEETS)  
SHEET 2.

Fig. 1

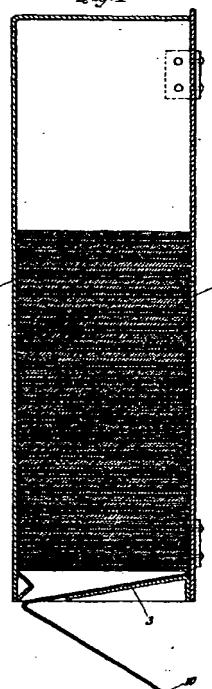


Fig. 2

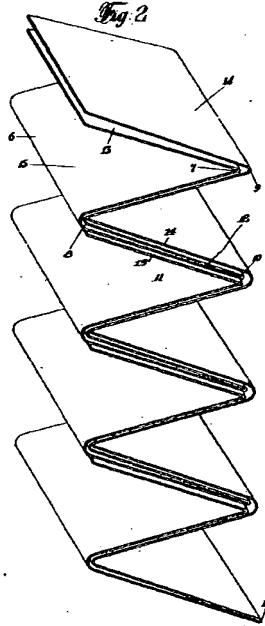


Fig. 3

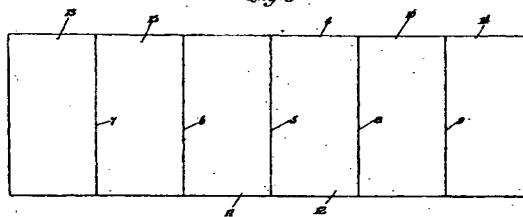


Fig. 4

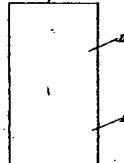
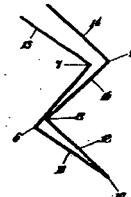


Fig. 5



Reproduced from U.S. Patent Office

A.D. 1914. FEB. 5. N<sup>o</sup>. 3090.  
WHEELER'S COMPLETE SPECIFICATION.

SHEET 1.

[This Drawing is a reproduction of the Original on a reduced scale]

Fig. 1

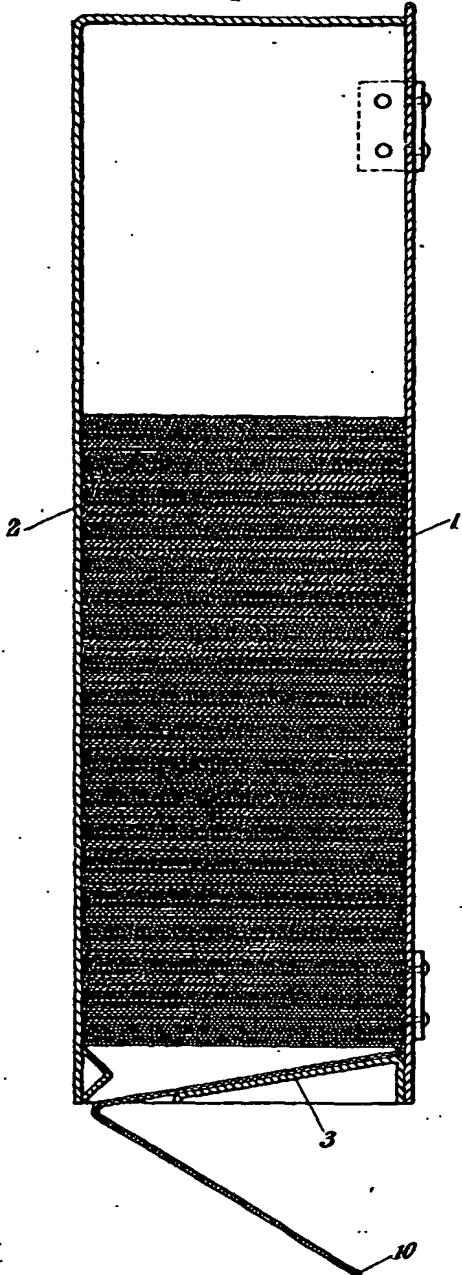
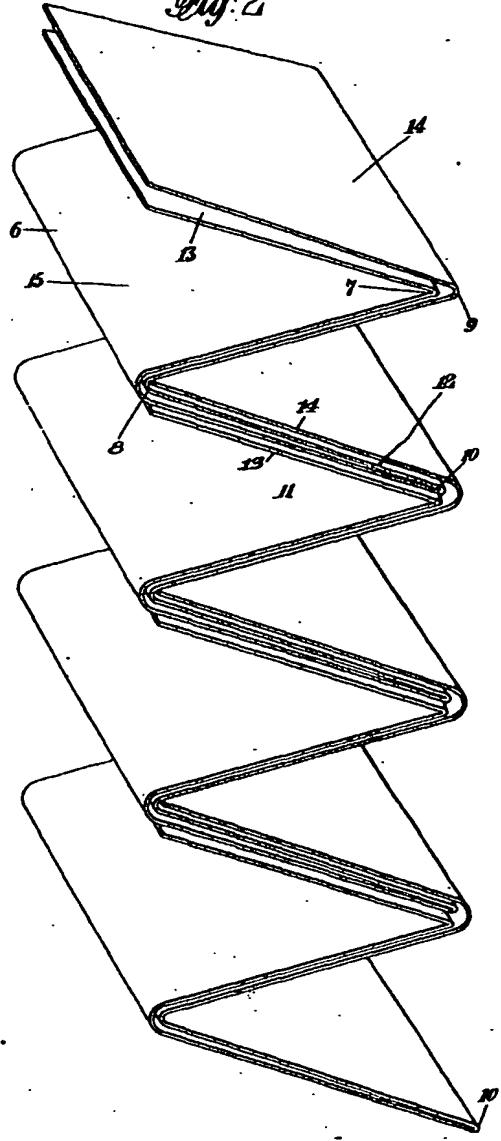


Fig. 2



(3 SHEETS)

SHEET 2.

Fig. 3

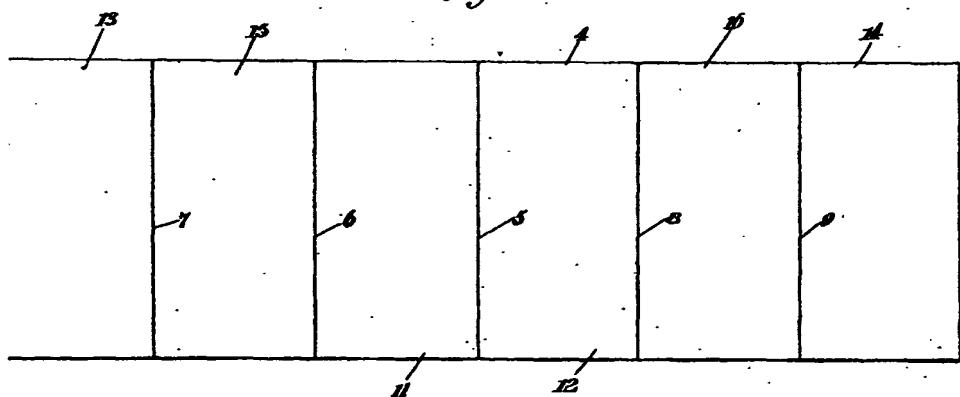


Fig. 4

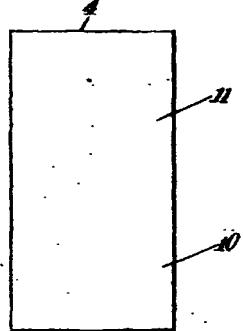
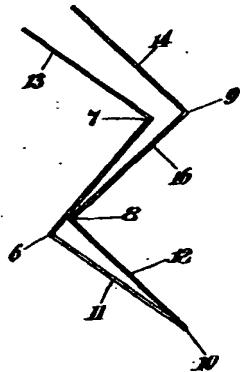


Fig. 5



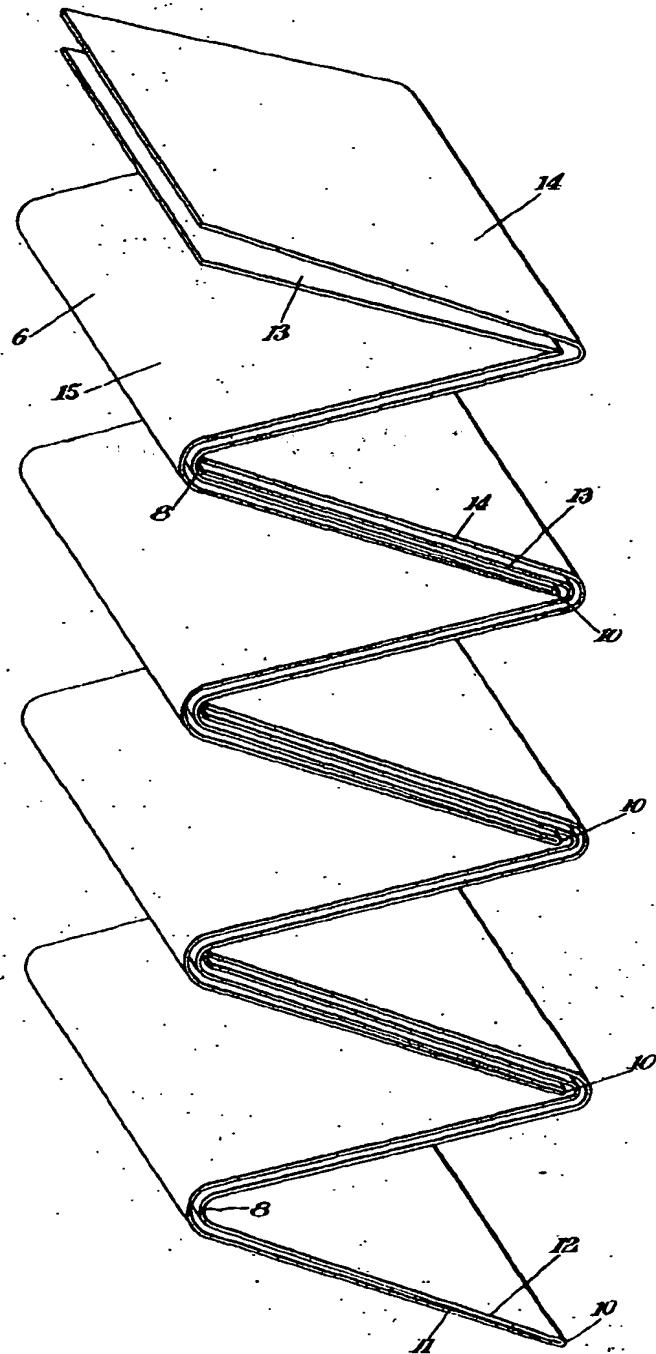
Malby & Sons, Photo-Litho

A.D. 1914. FEB. 5. N° 3090.  
WHEELER'S COMPLETE SPECIFICATION.

(3 SHEETS)  
SHEET 3.

[This Drawing is a reproduction of the Original on a reduced scale]

Fig. 6



Malby & Sons, Photo-Litho.

**THIS PAGE BLANK (USPTO)**

**This Page is Inserted by IFW Indexing and Scanning  
Operations and is not part of the Official Record**

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- BLACK BORDERS**
- IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- FADED TEXT OR DRAWING**
- BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- SKEWED/SLANTED IMAGES**
- COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- GRAY SCALE DOCUMENTS**
- LINES OR MARKS ON ORIGINAL DOCUMENT**
- REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- OTHER:** \_\_\_\_\_

### **IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.**

**THIS PAGE BLANK (USPTO)**